



STATE ROAD (VINEYARD HAVEN RD) AND OLD COUNTY ROAD

WEST TISBURY



Intersection Deficiencies

- Sight distance for drivers approaching the intersection from the south on Vineyard Haven Road
- Placement of existing stop sign on Old County Road
- High approach speeds
- Lack of shoulders
- Large roadway skew

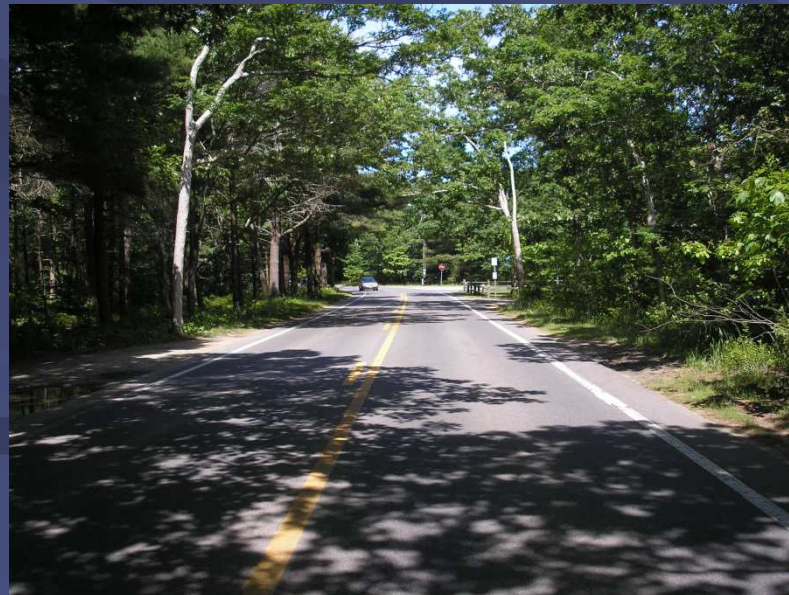


State Rd. (Vineyard Haven Rd) – West Tisbury, MA

Accident History

4/06 TO 5/10

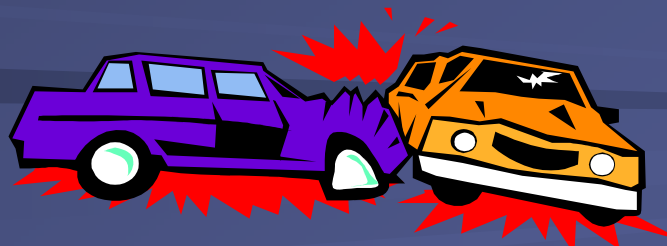
| <u>Number of Accidents</u> | | | <u>Severity</u> | | |
|----------------------------|---------------------------|--------------------------|-------------------------------------|---------------|-----------------|
| <u>Total</u> | <u>Yearly Average</u> | <u>Accident Rate</u> | <u>Property Damage Only</u> | <u>Injury</u> | <u>Fatality</u> |
| 12 | 2.94 | 0.79 | 8 | 4 | 0 |



State Rd. (Vineyard Haven Rd.) – West Tisbury, MA

Collision Type by Peak / Off-Peak Period

| | <u>Left Turn</u> | <u>Rear End</u> | <u>Out of Control</u> |
|---------------------|------------------|-----------------|-----------------------|
| Weekday AM Peak | 1 | | |
| Weekday PM Peak | 2 | | 1 |
| Weekday Off-Peak | 3 | 2 | 1 |
| Weekend | 1 | | 1 |
| <u>Totals By</u> | 7 | 2 | 3 |
| <u>Type:</u> | 58% | 17% | 25% |



Proposed Intersection Improvements

- Reconstruction of Intersection Geometry
 - Provides for better horizontal (T-intersection) alignment
 - Reduces speeds of approaching vehicles
 - Reduces the amount of existing intersection pavement
 - Increases green space
 - Provides new signage to better inform the traveling public of the roadway configuration

Other Design Considerations

■ Traffic signal

- Existing and predicted traffic volumes do not meet required minimums of M.U.T.C.D. signal warrants.
- A traffic signal will not address the types of accidents occurring, lack of sight distance or high speed approaches to the intersection.
- A traffic signal will Increase delay.
- Relatively short service life (apx. 10 years)
- High maintenance costs

Other Design Considerations

■ Flashing Warning Beacon

- A warning beacon will not address the types of accidents occurring, lack of sight distance or high speed approaches to the intersection.

■ Three-Way Stop Sign

- A three-way stop will increase delay.
- A three-way stop will not address the types of accidents occurring, lack of sight distance or high speed approaches to the intersection.

Selected Improvement

■ MassDOT Developed Alternatives

- In cooperation with Martha's Vineyard Commission, MassDOT developed several alternatives

■ Implemented Short-Term Solution

- In August of 2010, MassDOT installed flexible delineators along the double yellow center line of Vineyard Haven Road to improve driver awareness of the intersection and to better define turning movements

Selected Improvement

MassDOT collaborated with the Town of West Tisbury Board of Selectman and the Martha's Vineyard Commission to develop the current design alternative

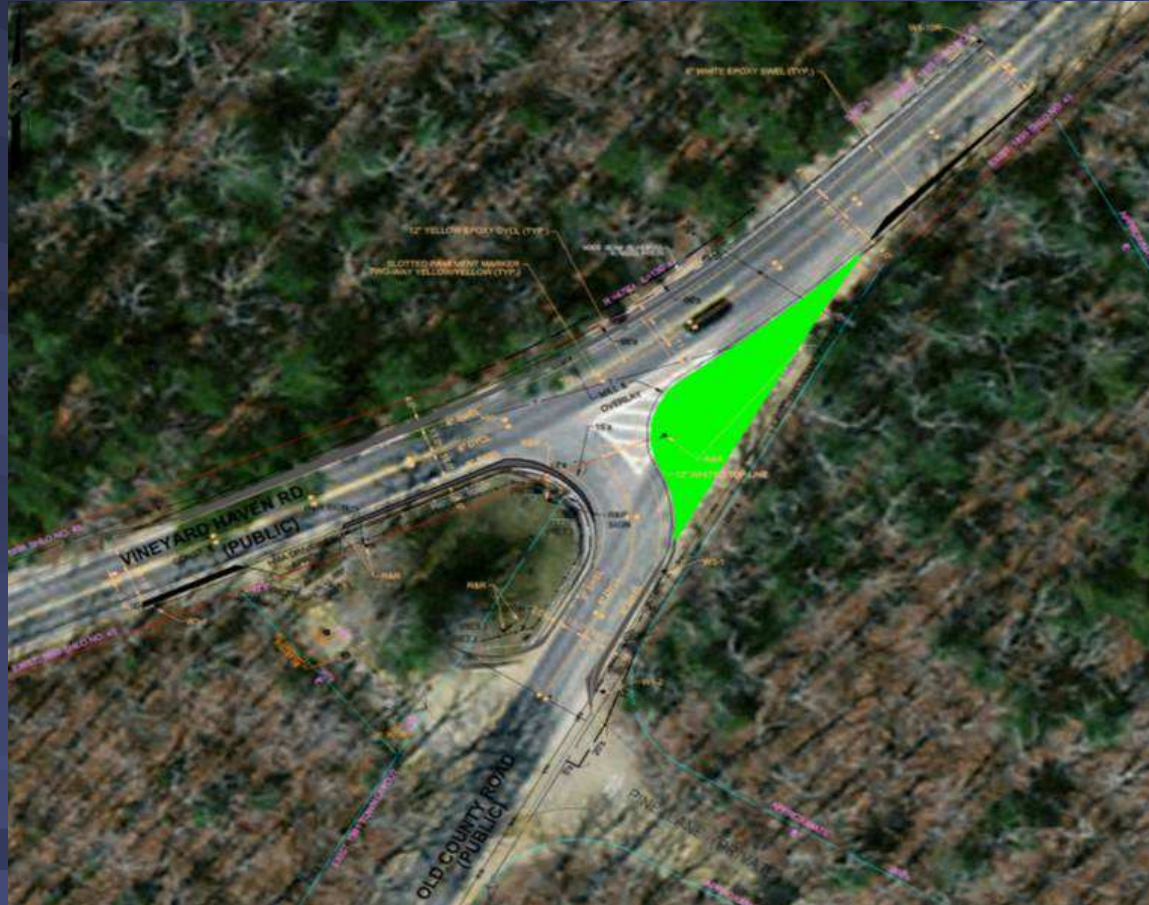
Selected Improvement

- Martha's Vineyard Joint Transportation Committee voted to dedicate Transportation Improvement Program (T.I.P.) funds to the project in Federal Fiscal Year 2014.
- Design cost 100% State funded.
- Right of Way cost 100% State funded.
- Construction cost 80% Federal / 20% State funded.

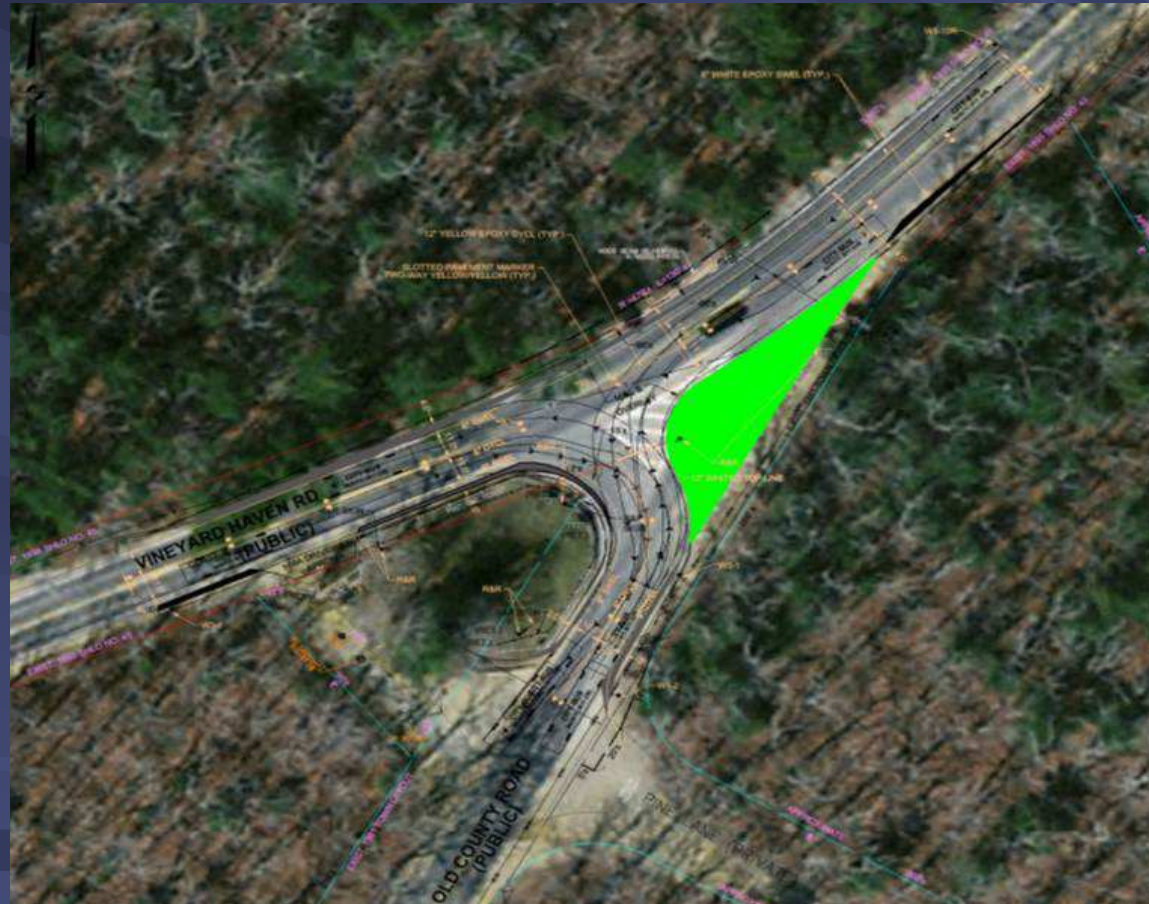
Existing Conditions



Proposed Conditions



Turning Movements



Next Steps

- Review Public Comments - Nov 2013)
- Advance Design to Final Stage - Dec 2013 – Early 2014
- Right of Way Process - Early 2014
- Advertise Project for Bids - Summer 2014
- Construction Begins - Late 2014 or Early 2015
- No work to be done during peak summer months (Memorial Day to Labor Day)

Questions / Comments ?



Old County Rd. (West Tisbury, Ma.)

Thank You!

